

Qing Zhu

List of Publications by Year in descending order

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17
papers

2,906
citations

567281

15
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

3130
citing authors

#	ARTICLE	IF	CITATIONS
1	A double four-point probe method for reliable measurement of energy conversion efficiency of thermoelectric materials. <i>Energy</i> , 2020, 191, 116599.	8.8	14
2	Achieving high room-temperature thermoelectric performance in cubic AgCuTe. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4790-4799.	10.3	46
3	Realization of higher thermoelectric performance by dynamic doping of copper in n-type PbTe. <i>Energy and Environmental Science</i> , 2019, 12, 3089-3098.	30.8	127
4	Design of High-Performance Disordered Half-Heusler Thermoelectric Materials Using 18-electron Rule. <i>Advanced Functional Materials</i> , 2019, 29, 1905044.	14.9	81
5	Non-noble metal-nitride based electrocatalysts for high-performance alkaline seawater electrolysis. <i>Nature Communications</i> , 2019, 10, 5106.	12.8	742
6	Large reduction of thermal conductivity leading to enhanced thermoelectric performance in p-type $\text{Mg}_{3-x}\text{Bi}_x\text{Mg}_2\text{Bi}_2$ solid solutions. <i>Journal of Materials Chemistry C</i> , 2019, 7, 434-440.	5.5	26
7	Realizing high conversion efficiency of Mg_3Sb_2 -based thermoelectric materials. <i>Journal of Power Sources</i> , 2019, 414, 393-400.	7.8	79
8	Understanding the asymmetrical thermoelectric performance for discovering promising thermoelectric materials. <i>Science Advances</i> , 2019, 5, eaav5813.	10.3	52
9	Discovery of TaFeSb-based half-Heuslers with high thermoelectric performance. <i>Nature Communications</i> , 2019, 10, 270.	12.8	227
10	Deep defect level engineering: a strategy of optimizing the carrier concentration for high thermoelectric performance. <i>Energy and Environmental Science</i> , 2018, 11, 933-940.	30.8	188
11	Ultrahigh Power Factor in Thermoelectric System $\text{Nb}_{0.95}\text{M}_{0.05}\text{FeSb}$ (M = Hf, Tj ETQq1 1,0784314 rgBT /Cv	11.2	45
12	Significantly enhanced thermoelectric properties of p-type Mg_3Sb_2 via co-doping of Na and Zn. <i>Acta Materialia</i> , 2018, 143, 265-271.	7.9	82
13	Water splitting by electrolysis at high current densities under 1.6 volts. <i>Energy and Environmental Science</i> , 2018, 11, 2858-2864.	30.8	438
14	Discovery of ZrCoBi based half Heuslers with high thermoelectric conversion efficiency. <i>Nature Communications</i> , 2018, 9, 2497.	12.8	243
15	Tuning the carrier scattering mechanism to effectively improve the thermoelectric properties. <i>Energy and Environmental Science</i> , 2017, 10, 799-807.	30.8	326
16	A rapid method to extract Seebeck coefficient under a large temperature difference. <i>Review of Scientific Instruments</i> , 2017, 88, 094902.	1.3	9
17	Defect Engineering for Realizing High Thermoelectric Performance in n-Type Mg_3Sb_2 -Based Materials. <i>ACS Energy Letters</i> , 2017, 2, 2245-2250.	17.4	181